

1. Isotope	A. An average of all the isotopes; the mass of average atom.	For each of the	following is	sotopes, write	e the number of prote	ns, neutrons	, and electrons.
2. Atomic mass	B. An atom with an equal number of	Chromium	58Cr	63Cr	Carbon	13 <b>C</b>	16C
2. Atomic mass	electrons and protons.	# of protons	24	24	# of protons		
3. Atomic#	C. An atom with more or less electrons than protons.	# of neutrons	34	39	# of neutrons		
4. Neutral atom	D. A variation of an element with a	# of electrons	24	24	# of electrons		
a. Producti atom	different number of neutrons.	Atomic #	24	24	Atomic #		
5. Ion	E. Total number of protons and neutrons in the nucleus.	Atomic Mass	58	63	Atomic Mass		
6. Mass #	F. Number of protons; determines the element.	Total Positive Charge	24	24	Total Positive Charge		
		Total Negative Charge	24	24	Total Negative Charge		
7 protons and 10 electrons. Neutral atom or ion? 15 protons and 15 electrons. Neutral atom or ion? 35 protons and 37 electrons. Neutral atom or ion? 89 protons and 89 electrons. Neutral atom or ion?		Sum of the Charges	0	0	Sum of the Charges		
		NAME?	12 Na	20 Na	NAME?	605e	655c
		# of protons	140	144	# of protons		- 36
Give the element abbreviation and charge.		# of neutrons			# of neutrons		
5 protons and 2 electrons: Element: <u>B</u> Charge: <u>+3</u> .		# of electrons			# of electrons		
16 protons and 18 electrons: Element: Charge:		Atomic #			Atomic #		
35 protons and 36 electrons: Element: Charge:		Atomic Mass			Atomic #		
12 protons and 10 electrons: Element: Charge:		Total Positive			Total Positive Charge		
What's wrong with this picture of an atom?		Charge Total Negative			Total Negative Charge		
		Charge Sum of the Charges			Sum of the Charges		
	electron						
What is wrong wit picture of an atom	th this?	diagrams ans the following tions:  How ma Protons:  How ma Neutror  How ma Electror  What is Atomic of the gatom?  Is this an Isoto  What is Atomic of this Ement?	ques- ny ? ny is? ny ss? N Mass given A the Symbol Ele-	xpected Atomi	P=	nic Mass_	Mass
Calcium (Ca)  Potassium ()  Copper ()  Zirconium ()  Which of the following the selement A: 15 proper Element B: 14 proper Element C: 15 proper Element D: 16 proper Element D: 1	Selenium () Silver ()	=Electrons	P= N E: A: E:	xpected Atomi	N=_   E=   Ator   Expe   Isot		Mass